Amendment under 37 C.F.R. §1.111

Attorney Docket No.: 052033

REMARKS

Claims 1-8 and 10 are pending in the application and stand rejected. Claims 1-3, 5-8 and

10 are amended. No new matter is added. In light of the aforementioned amendments and

following remarks, Applicant earnestly solicits favorable consideration.

Interview Summary Under 37 C.F.R. § 1.133

Application No.: 10/522,236

Art Unit: 2624

Applicant thanks the examiner for courteously conducting an interview with applicant's

representative on February 12, 2009. During the interview, the phrase "characteristic movement

of each player," was discussed. Applicant explained that this phrase was indicated of movements

of the respective players. For example, as the examiner noted in his interview summary dated

February 17, 2009, those movements could be a forehand, backhand, overhead swing, etc.

Additionally applicant's representative also discussed applicant's response dated

November 7, 2008. This response included the following passages, helping to explain what

constituted a characteristic movement and how it distinguished from the cited references.

For the image recognition apparatus to be capable of recognizing images including an image of more complicated movement of each player, it is

desirable that the play event information obtaining section include a play

event index.... (Page 5 of application.)

See also page 17 where it states:

Furthermore specifically, the players' basic movement, such as "forehand

swing," "backhand swing" and "overhead swing," are identified by totally

-7-

Application No.: 10/522,236

Amendment under 37 C.F.R. §1.111

Art Unit: 2624 Attorney Docket No.: 052033

judging the positional relativity between each player's position and the ball position and the positional relation between each player's position and each

of the court lines and net lines at the time of ball hitting.

Thus, applicant submits that a characteristic movement of a player, includes such

movements as a "forehand swing," "backhand swing," and "overhead swing," for example.

Applicant respectfully submits that *Pingali* does not disclose or fairly suggest this feature.

In particular, *Pingali* only seems to deal with tracking the ball flight, not movement of the

respective players. As such, Applicant respectfully submits that *Pingali* does not disclose the

claimed invention, particularly, recognizing characteristic movements of the players. Applicant

further points to the title of the Pingali disclosure: Ball Tracking and Virtual Replays for

Innovative Tennis Broadcasts. (Emphasis added.)

Applicants note that the Examiner agreed that if the characteristic movement of the

players meant for example, recognizing a forehand swing, backhand swing, overhead swing etc.,

that the cited references would not disclose the claimed invention.

Claim Rejections - 35 U.S.C. § 112

Claims 1-8 and 10 stand rejected under 35 U.S.C. 112, second paragraph for containing

indefinite limitations in using the phrase "configured to" (e.g., "a score information obtaining

section configured to obtain score information..." at claim 1, emphasis added).

- 8 -

Application No.: 10/522,236

Amendment under 37 C.F.R. §1.111

Art Unit: 2624 Attorney Docket No.: 052033

Applicant has amended the rejected claims to positively recite the respective features,

thus rendering the rejection moot. Applicant therefore asks that the rejection be withdrawn.

On the Merits

Claim Rejections - 35 U.S.C. § 103(a)

Claims 1-2 and 10 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Ball

Tracking and Virtual Replays for Innovative Tennis Broadcasts, 15th International Conference on

Pattern Recognition, 2000, Proceedings, Vol. 4, pg 152 - 156 (hereinafter "Pingali") in view of

U.S. Patent No. 6,101,274 (issued August 8, 2000, hereinafter "Pizano").

Claims 3-8 stand rejected under 35 U.S.C. 103(a) as being unpatentable over *Pingali* in

view of Pizano and Automatic Classification of Tennis Video for High-level Content-based

Retrieval, Proceedings of the 1998 International Workshop on Content-Based Access of Image

and Video Databases (CAIVD '98), 1998, pp 81 - 90 (hereinafter "Sudhir").

As discussed above, the examiner has indicated to applicants that the respective

references do not disclose the claimed feature. Applicant incorporates by reference the

arguments submitted in the response dated November 7, 2008.

As such, applicant asks that the rejection be withdrawn and the application allowed.

- 9 -

Application No.: 10/522,236 Amendment under 37 C.F.R. §1.111

Art Unit: 2624 Attorney Docket No.: 052033

In view of the aforementioned amendments and accompanying remarks, Applicants

submit that the claims, as herein amended, are in condition for allowance. Applicants request

such action at an early date.

If the Examiner believes that this application is not now in condition for allowance, the

Examiner is requested to contact Applicants' undersigned attorney to arrange for an interview to

expedite the disposition of this case.

If this paper is not timely filed, Applicants respectfully petition for an appropriate

extension of time. The fees for such an extension or any other fees that may be due with respect

to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP

Dennis M. Hubbs

Attorney for Applicants

Registration No. 59,145

Telephone: (202) 822-1100

Facsimile: (202) 822-1111

DMH/rer/ttw

- 10 -